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IN - BOS J; BOUMA-DE VRIJER R

PA - (CRDC) CORDIS EUROPA NV

PN - NL1008178C C2 19990804 DW199952 A61M25/16 018pp

PR - NL19981008178 19980202

XIC - A61M-025/16

XP - N1999-448335

AB - NL1008178 NOVELTY - A balloon (4) is secured to the distal end of a catheter tube (2) by a connection (5). The extremity of the tube (2) is held under tension between a metal collar (7) and the end of the balloon (4). A layer of laser-absorbent cladding (8) is also present. The tension holds the assembly together while the joint is heat sealed, e.g. using laser or high frequency radiation welding. An ancillary tube (6) is inserted co-axially in the outer tube (2).

- USE - To effect a direct connection between two components of a catheter. INDUSTRIAL STANDARDS - This method produces a stronger seal, resistant to the forces of insertion and withdrawal, than does the method described in US patent 5.042.985.

- ADVANTAGE - DESCRIPTION OF DRAWING - The drawing is a partial section of the join between the catheter components. (2) Outer tube; (4) Balloon; (5) Connection; (6) Inner ancillary tube; (7) Metal collar; (8) Cladding.

- (Dwg.2/5)

IW - SEAL CATHETER BODY BALLOON

IKW - SEAL CATHETER BODY BALLOON

INW - BOS J; BOUMA-DE VRIJER R

NC - 001

OPD - 1998-02-02

ORD - 1999-08-04

PAW - (CRDC) CORDIS EUROPA NV

TI - Sealing between catheter body and balloon